

ABSTRACT

METHOD OF OPTICAL AUTHENTICATION AND IDENTIFICATION OF OBJECTS AND DEVICE THEREFOR

The method in accordance with the invention consists in illuminating with coherent light a volume-wise at least partially scattering surface of reference objects under specified illumination conditions, in recording the speckle patterns thus obtained for various nominal values of illumination parameters and in a range of values around these nominal values, then, upon the verification of other objects or of the same objects, in illuminating these objects under the same nominal conditions and in comparing each time the speckle pattern thus obtained with those which were recorded and in retaining the objects if their speckle pattern corresponds to one of those that was recorded.

Figure 1